PG&E Explanation of Load Profile Data

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As part of the Integration Capacity Analysis, PG&E utilized its Load Forecasting Tool, LoadSEER by Integral Analytics, by performing analysis on the representative load shapes that are built for each distribution feeder. These shapes have 288 data points that represent a typical day for each month of the year for the demand on that feeder. These shapes do not represent the real-time SCADA shapes that are used, when available, for interconnection studies. This workbook provides the aggregated form of these shapes showing the range of hourly demand throughout a day. This workbook also complies with privacy rules by aggregating up profiles that do not have more than 100 residential customers and/or more than 15 non-residential customers.

Notes on Profile Data

- Profiles are representative load profiles used for load forecasting purposes.
- Profiles do not always represent the real-time SCADA data used in detailed interconnection studies. The SCADA data, when available, can sometimes have an engineer realize lower minimum loads that can limit DER capacity values to be lower.
- Profiles are aggregated up to the next level component in order to abide by privacy rules to not disclose sensitive customer specific information. Profiles that did not meet the criteria were not included in this data set.
- Profiles are representative of the specific profiles determined for the initial analysis for PG&E's Distribution Resource Plan (DRP) filed July 1 2015 to the CPUC. These profiles are dynamic and may change overtime.
- The following are the statistics for data that was not included due to compliance with data privacy rules
    - 14.4% of Feeders not included
    - 9.5% of Substation Transformers not included
    - 10.9% of Substations not included